

1 SYSTEM AND METHOD FOR ASSISTING IN THE DEVELOPMENT AND  
2 INTEGRATION OF REUSABLE CIRCUIT DESIGNS

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6 ABSTRACT

7 A system and method for developing a reusable  
8 electronic circuit design module are presented in various  
9 embodiments. In one embodiment, the functional design  
10 elements comprising a design module are entered into a  
11 database along with documentation elements that describe the  
12 design elements. The functional design elements are linked  
13 with selected ones of the documentation elements in the  
14 database. A testbench is simulated with the design module,  
15 and the generated results are stored in a database and  
16 linked with the functional design elements. By linking the  
17 simulation results, documentation, and design elements, the  
18 characteristics of the design module are easily ascertained  
19 by a designer who is reusing the design module.